

Net Tools

Hamzah Asyrani Sulaiman,Mohd Azlishah Othman,Mohd Fairuz Iskandar Othman,Yahaya Abd Rahim,Naim Che Pee

Advanced Computer and Communication Engineering Technology Hamzah Asyrani Sulaiman, Mohd Azlishah Othman, Mohd Fairuz Iskandar Othman, Yahaya Abd Rahim, Naim Che Pee, 2014-11-01 This book covers diverse aspects of advanced computer and communication engineering, focusing specifically on industrial and manufacturing theory and applications of electronics, communications, computing and information technology. Experts in research, industry, and academia present the latest developments in technology, describe applications involving cutting-edge communication and computer systems and explore likely future directions. In addition, access is offered to numerous new algorithms that assist in solving computer and communication engineering problems. The book is based on presentations delivered at ICOCOE 2014, the 1st International Conference on Communication and Computer Engineering. It will appeal to a wide range of professionals in the field, including telecommunication engineers, computer engineers and scientists, researchers, academics and students.

Mastering Linux Network Administration Jay LaCroix, 2015-11-03 Master the skills and techniques that are required to design, deploy, and administer real Linux-based networks About This Book Master the art of using Linux and administering network services for enterprise environments Perform hands-on activities to reinforce expert-level knowledge Get full coverage of both the CentOS and Debian systems, including how networking concepts differ for each Who This Book Is For Mastering Linux Network Administration is recommended for those who already understand the basics of using Linux and networking, and would like to push those skills to a higher level through real-world Linux networking scenarios. Whether you intend to run a home office consisting of Linux nodes or a rollout of a Linux network within your organization, this book is a great fit for those that desire to learn how to manage networked systems with the power of Linux. What You Will Learn Install and configure the Debian and CentOS systems Set up and configure file servers Administer networked nodes remotely Discover how to monitor system performance for peak health Configure network services such as DNS and DHCP Host HTTP content via Apache Troubleshoot Linux networking issues In Detail Linux is everywhere. Whether you run a home office, a small business, or manage enterprise systems, Linux can empower your network to perform at its very best. Armed with the advanced tools and best practice guidance of this practical guide, you'll be able to mold Linux networks to your will, empowering your systems and their users to take advantage of all that Linux-based networks have to offer. Understand how Linux networks function and get to grips with essential tips and tricks to manage them - whether you're already managing a networks, or even just starting out. With Debian and CentOS as its source, this book will divulge all the details you need to manage a real Linux-based network. With detailed activities and instructions based on real-world scenarios, this book will be your guide to the exciting world of Linux networking. Style and approach This practical guide will walk you through all the core concepts required to manage real Linux-based networks.

Techniques and Tools for the Design and Implementation of Enterprise Information Systems Gunasekaran, Angappa, 2008-04-30 Inter-organizational information systems play a major role in improving communication and integration between partnering firms to achieve an integrated global supply chain. Current research in enterprise resource planning and electronic commerce is crucial to maintaining efficient supply chain management and organizational competitiveness. Techniques and Tools for the Design & Implementation of Enterprise Information Systems enables libraries to provide an invaluable resource to academicians and practitioners in fields such as operations management, Web engineering, information technology, and management information systems, providing insight into the effective design and implementation of enterprise information systems to improve communication and integration between partnering firms to achieve an integrated global supply chain.

Unifying Petri Nets Hartmut Ehrig, Gabriel Juhas, Julia Padberg, Grzegorz Rozenberg, 2003-06-30 Since their introduction nearly 40 years ago, research on Petri nets has diverged in many different directions. Various classes of Petri net, motivated either by theory or applications, with its own specific features and methods of analysis, have been proposed and studies in depth. These successful developments have led to a very heterogeneous landscape of diverse models, and this, in turn, has stimulated research on concepts and approaches that contribute to unifying and structuring the diverse landscape. This state-of-the-art survey presents the most relevant approaches to unifying Petri nets in a systematic and coherent way. The 14 chapters written by leading researchers are organized in topical sections on application-oriented approaches, unifying frameworks, and theoretical approaches.

Management Strategy for Information Technology (IT and Management Convergence) Utpal Kumar Banerjee, 2008

Visual Basic® .NET Power Tools Evangelos Petroutsos, Richard Mansfield, 2006-02-20 Step-by-Step Instruction on Complex Topics Leads You to the Expert Level Do you scour VB.NET books seeking solutions for esoteric database programming, debugging, security, or printing challenges, but can't ever find them? Are you wrestling with VB.NET's newer topics, such as asynchronous programming, Web services, employing Office objects, using reflection, and the .NET Compact Framework? Could you use some assistance making the transition from VB6 to VB.NET? If so, peer inside. Visual Basic .NET Power Tools is intended for professional programmers geared up to tackle the complex, cutting-edge, and sophisticated aspects of VB.NET. In this rare book, two world-renowned VB authors thoroughly describe a broad range of fascinating and important aspects of VB that aren't addressed elsewhere. This solutions-oriented guide teaches you how to: Get under the hood of the .NET Framework, and find out why it works the way it does Employ serialization techniques Leverage Microsoft Office in your applications Master encryption, hashing, and creating keys Learn advanced printing techniques Use the new reflection technology to look inside executing assemblies Build data-driven Web applications Design data-driven Windows applications Work with regular expressions Employ advanced graphics techniques Create professional-looking forms Design effective User Interfaces Use the .NET Compact Framework and its emerging technologies

ICAUTO-95 Pradip K. Chande, 1995

Research Anthology on Reliability and Safety in Aviation Systems, Spacecraft, and Air Transport Management Association, Information Resources, 2020-09-24 As with other transportation methods, safety issues in aircraft can result in a total loss of life. Recently, the air transport industry has come under immense scrutiny after several deaths occurred due to aircraft design and airlines that allowed improperly inspected aircraft to fly. Spacecraft too have found errors in system software that could lead to catastrophic failure. It is imperative that the aviation and aerospace industries continue to revise and refine safety protocols from the construction and design of aircraft, to secure and improve aviation systems, and to test and inspect aircraft. The Research Anthology on Reliability and Safety in Aviation Systems, Spacecraft, and Air Transport is a vital reference source that examines the latest scholarly material on the use of adaptive and assistive technologies in aviation to establish clear guidelines for the design and implementation of such technologies to better serve the needs of both military

and civilian pilots. It also covers new information technology use in aviation systems to streamline the cybersecurity, decision making, planning, and design processes within the aviation industry. Highlighting a range of topics such as air navigation systems, computer simulation, and airline operations, this multi-volume book is ideally designed for pilots, scientists, engineers, aviation operators, air traffic controllers, air crash investigators, teachers, academicians, researchers, and students.

Windows Developer Power Tools James Avery, Jim Holmes, 2007 A wealth of open and free software is available today for Windows developers who want to extend the development environment, reduce development effort, and increase productivity. This encyclopedic guide explores more than 100 free and open source tools available to programmers who build applications for Windows desktops and servers.

Visual Studio 2019 In Depth Ockert J. du Preez, 2019-09-18 Step-by-step guide to all the tools and extensions in the Visual Studio 2019 IDE DESCRIPTION This book peeks into every corner of the Visual Studio IDE and will help you get started with the latest 2019 version. Right from installation, you'll discover new features within the tool and the optimal way to use the features you may already know. You'll learn, for example, how to extend Visual Studio with your own customizations, so that you can make it perform the way you want. You will then explore everything about NuGet package, test applications using Live Unit Testing, and learn how to make code templates using the T4 code generation tool. You'll get to grips with the richer JavaScript IntelliSense, which will help you focus more on coding. Moving on, you'll learn to work with the dedicated workloads for data storage and data science. You will also review the more advanced architecture tools concealed within the IDE and finally create cloud-first applications powered by Microsoft Azure using the built-in suite of Azure tools. KEY FEATURES _ _ _ Create and use custom IDE extensions _ _ _ Find, download, and use the best IDE extensions for web, mobile, Azure, and Windows _ _ _ Enhance programming experience and time with debugging tools _ _ _ Enhance coding capabilities with coding tools _ _ _ Test projects proactively _ _ _ Create powerful web, mobile, and Azure solutions for the real world WHAT WILL YOU LEARN By the end of the book, you will be able to tackle any solution for any platform head-on. You will create real-world solutions from start to finish. By using the tools and extensions outlined in this book, you will be able to code better and faster, debug better, share your code with more peers, test your code better, and install or publish your apps quicker and without issues. WHO THIS BOOK IS FOR The book is intended for any .NET developer. You can be a seasoned developer or a newbie just starting out. This book will play a pivotal role in presenting all the tools you need to become a better developer. _ Table of Contents 1. Getting started with Visual Studio 2. Digging in the Visual Studio IDE 3. IntelliSense 4. Language & coding changes in C# 5. What's new in .Net core 6. Built-in tools 7. Debugging tools 8. Testing tools 9. ASP.NET tools 10. _ Mobile tools 11. _ Azure tools 12. _ IDE extensions 13. _ ASP.NET extensions 14. _ Mobile extensions 15. _ Azure DevOps extensions

High-level Petri Nets Kurt Jensen, Grzegorz Rozenberg, 2012-12-06 High-level Petri nets are now widely used in both theoretical analysis and practical modelling of concurrent systems. The main reason for the success of this class of net models is that they make it possible to obtain much more succinct and manageable descriptions than can be obtained by means of low-level Petri nets-while, on the other hand, they still offer a wide range of analysis methods and tools. The step from low-level nets to high-level nets can be compared to the step from assembly languages to modern programming languages with an elaborated type concept. In low-level nets there is only one kind of token and this means that the state of a place is described by an integer (and in many cases even by a boolean value). In high-level nets each token can carry complex information which, e. g. , may describe the entire state of a process or a data base. Today most practical applications of Petri nets use one of the different kinds of high-level nets. A considerable body of knowledge exists about high-level Petri nets this includes theoretical foundations, analysis methods and many applications. Unfortunately, the papers on high-level Petri nets have been scattered throughout various journals and collections. As a result, much of this knowledge is not readily available to people who may be interested in using high-level nets.

Using Aspect-Oriented Programming for Trustworthy Software Development Vladimir O. Safonov, 2008-06-09 Learn how to successfully implement trustworthy computing tasks using aspect-oriented programming This landmark publication fills a gap in the literature by not only describing the basic concepts of trustworthy computing (TWC) and aspect-oriented programming (AOP), but also exploring their critical interrelationships. The author clearly demonstrates how typical TWC tasks such as security checks, in-and-out conditions, and multi-threaded safety can be implemented using AOP. Following an introduction, the book covers: Trustworthy computing, software engineering, and computer science Aspect-oriented programming and Aspect.NET Principles and case studies that apply AOP to TWC Coverage includes Aspect.NET, the AOP framework developed by the author for the Microsoft.NET platform, currently used in seventeen countries. The author discusses the basics of Aspect.NET architecture, its advantages compared to other AOP tools, and its functionality. The book has extensive practical examples and case studies of trustworthy software design and code using the Aspect.NET framework. In addition, the book explores other software technologies and tools for using AOP for trustworthy software development, including Java and AspectJ. This book also includes a valuable chapter dedicated to ERATO, the author's teaching method employed in this book, which has enabled thousands of students to quickly grasp and apply complex concepts in computing and software engineering, while the final chapter presents an overall perspective on the current state of AOP and TWC with a view toward the future. Software engineers, architects, developers, programmers, and students should all turn to this book to learn this tested and proven method to create more secure, private, and reliable computing.

Computerworld , 2002-08-26 For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

The Semantic Web: Research and Applications Christoph Bussler, 2004-04-28 This book constitutes the refereed proceedings of the First European Semantic Web Symposium, ESWS 2004, held in Heraklion, Crete, Greece in May 2004. The 33 revised full papers presented were carefully reviewed and selected from 79 submissions. The papers are organized in topical sections on ontology engineering, ontology matching and mapping, ontology-based querying, ontology merging and population, infrastructure, semantic web services, service discovery and composition, data from the semantic web, knowledge presentation, applications, content management, and information management and integration.

Tools and Algorithms for the Construction and Analysis of Systems Hubert Garavel, 2003-03-14 This book constitutes the refereed proceedings of the 9th International Conference on Tools and Algorithms for the

Construction and Analysis of Systems, TACAS 2003, held in Warsaw, Poland, in April 2003. The 43 revised full papers presented were carefully reviewed and selected from 160 submissions. The papers are organized in topical sections on bounded model checking and SAT-based methods, mu-calculus and temporal logics, verification of parameterized systems, abstractions and counterexamples, real-time and scheduling, security and cryptography, modules and compositional verification, symbolic state spaces and decision diagrams, performance and mobility, state space reductions, constraint solving and decision procedures, and testing and verification.

Automated Systems in the Aviation and Aerospace Industries Shmelova, Tetiana, Sikirda, Yuliya, Rizun, Nina, Kuchеров, Dmytro, Dergachov, Konstantin, 2019-03-22 Air traffic controllers need advanced information and automated systems to provide a safe environment for everyone traveling by plane. One of the primary challenges in developing training for automated systems is to determine how much a trainee will need to know about the underlying technologies to use automation safely and efficiently. To ensure safety and success, task analysis techniques should be used as the basis of the design for training in automated systems in the aviation and aerospace industries. *Automated Systems in the Aviation and Aerospace Industries* is a pivotal reference source that provides vital research on the application of underlying technologies used to enforce automation safety and efficiency. While highlighting topics such as expert systems, text mining, and human-machine interface, this publication explores the concept of constructing navigation algorithms, based on the use of video information and the methods of the estimation of the availability and accuracy parameters of satellite navigation. This book is ideal for aviation professionals, researchers, and managers seeking current research on information technology used to reduce the risk involved in aviation.

Understanding Linux Network Internals Christian Benvenuti, 2006 Benvenuti describes the relationship between the Internet's TCP/IP implementation and the Linux Kernel so that programmers and advanced administrators can modify and fine-tune their network environment.

Turning 18 with confidence Rui Gomes, 2023-04-01 A practical guide to the Council of Europe Recommendation CM/Rec(2019)4 to raise awareness and improve the knowledge and capacities of relevant professionals in supporting young refugees and migrants in their transition to adulthood. Being among the most vulnerable, many young refugees experience violence, exploitation and trauma, as well as continued risk of violation of their human rights and fundamental freedoms. When they reach the age of 18, they are no longer under the protection of the United Nations Convention on the Rights of the Child. This means that, from this point, young refugees may no longer have the protection and access to rights and opportunities previously held as children, and they can face an abrupt and dramatic change in the possibility of accessing services and support across many sectors. The rights of young refugees in transition to adulthood has been a priority of the Council of Europe over many years. In 2019, the Committee of Ministers adopted Recommendation CM/Rec(2019)4 on Supporting Young Refugees in Transition to Adulthood, recommending that member states' governments ensure that additional temporary support is available to young refugees after the age of 18 to enable them to access their rights. The Recommendation also acknowledges the important role played by youth work and non-formal education / learning in supporting the inclusion of young refugees, and in developing competences for active citizenship and democratic participation. The Council of Europe prepared this Guide to further promote and support the implementation of the Recommendation. The Guide should inspire young refugees, youth workers, policymakers, researchers and other relevant actors to familiarise themselves with, apply and support the implementation of the Recommendation in their own contexts and communities. The Guide simplifies the language of the Recommendation in order to assist various actors and stakeholders in developing a better and clearer understanding of the proposals and policy measures. A range of promising practices are likewise incorporated to exemplify how the Recommendation is being put into practice.

InfoWorld, 1998-10-26 InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Open Source Systems Vladimir Ivanov, Artem Kruglov, Sergey Masyagin, Alberto Sillitti, Giancarlo Succi, 2020-05-05 This book constitutes the refereed proceedings of the 16th IFIP WG 2.13 International Conference on Open Source Systems, OSS 2020, held in Innopolis, Russia, in May 2020.* The 12 revised full papers and 8 short papers presented were carefully reviewed and selected from 42 submissions. The papers cover a wide range of topics in the field of free/libre open source software (FLOSS) and discuss theories, practices, experiences, and tools on development and applications of OSS systems, with a specific focus on two aspects: (a) the development of open source systems and the underlying technical, social, and economic issue, (b) the adoption of OSS solutions and the implications of such adoption both in the public and in the private sector. *Due to the COVID-19 pandemic, the conference was held virtually.

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